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Autore	Hernández-García Ruber
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Nota di contenuto	Towards a lightweight CNN for semantic food segmentation -- Ensemble approach to adaptable behavior cloning for a fighting game AI -- TeleoWatch PoseTransformer Based Advanced Action Recognition -- Fruit Deformity Classification through Single Input and Multi Input Architectures based on CNN Models using Real and Synthetic Images -- CNN sensitivity analysis for land cover map models using sparse and heterogeneous satellite data -- Video Game Joystick by Recognizing Breathing Patterns -- Recovering Latent Hierarchical Relationships in Image Datasets Through Hyperbolic Embeddings -- SwinDehazing Haze Removal using U Net and Swin Transformer -- A proposal for

explainable fruit quality recognition using multimodal models -- Negative Sampling for Triplet Based Loss Improving Representation in Self Supervised Representation Learning -- Seed based superpixel re segmentation for improving object delineation -- Towards Interactive Video Segmentation by Dynamic and Iterative Spanning Forest -- Data Driven Evolutionary Algorithms for Optimizing Pumping Stations in Water Distribution Networks Classifier Guided Search Space Reduction -- Depth Map Completion using a Specific Graph Metric and Balanced Infinity Laplacian for Autonomous Vehicles -- Beta distribution approach for outlier exposure in multi class text classification -- Impact of Quantization on Large Language Models for Portuguese Classification Tasks -- GemBode and PhiBode Adapting Small Language Models to Brazilian Portuguese -- Hate Speech Detection in Portuguese Using BERTimbau -- An Effective Approach to Text Detection and Recognition in Degraded Historical Documents.

Sommario/riassunto	This two-volume set LNCS 15368-15369 constitutes the refereed proceedings of the 27th Iberoamerican Congress on Progress in Pattern Recognition, Image Analysis, Computer Vision, and Applications, CIARP 2024, held in Talca, Chile, during November 26-29, 2024. The 35 full and 3 short papers presented in these proceedings were carefully reviewed and selected from 61 submissions. The papers presented in these two volumes are clustered into various thematical issues as follows: Part I: Mathematical methods and computing techniques for artificial intelligence and pattern recognition, bioinformatics. Part II: Biometrics, cognitive and humanoid vision, computer vision, image analysis, intelligent data analysis.